

Other Oilseed Processing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
311223, Other oilseed processing 2002..	35	42	1 555	53 551	1 134	2 581	34 010	368 281	774 275	1 138 130	24 106
2001..	N	N	1 834	62 585	1 274	2 822	37 487	294 723	1 007 257	1 367 185	25 287
2000..	N	N	1 924	64 012	1 286	2 843	35 454	299 783	1 081 780	1 327 282	19 694
1999..	N	N	1 859	59 807	1 288	2 906	34 878	145 282	1 160 285	1 407 875	56 205
1998..	N	N	2 642	72 330	1 892	4 291	44 404	365 702	1 513 193	1 804 857	93 910
1997..	32	54	2 667	73 451	1 949	4 474	45 528	246 561	1 419 419	1 720 738	83 999

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. **Industry Statistics for Selected States: 2002**

[Not applicable for this report]

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
311223, Other oilseed processing	
Companies ¹	number.. 35
All establishments ²	number.. 42
Establishments with 1 to 19 employees	number.. 18
Establishments with 20 to 99 employees	number.. 22
Establishments with 100 employees or more	number.. 2
All employees ³	number.. 1 555
Total compensation	\$1,000.. 68 116
Annual payroll	\$1,000.. 53 551
Total fringe benefits	\$1,000.. 14 565
Production workers, average for year	number.. 1 134
Production workers on March 12	number.. 1 125
Production workers on May 12	number.. 1 118
Production workers on August 12	number.. 1 107
Production workers on November 12	number.. 1 181
Production worker hours	1,000.. 2 581
Production worker wages	\$1,000.. 34 010
Total cost of materials	\$1,000.. 774 275
Materials, parts, containers, packaging, etc., used	\$1,000.. 706 760
Resales	\$1,000.. 27 812
Purchased fuels	\$1,000.. 16 173
Purchased electricity	\$1,000.. 19 867
Contract work	\$1,000.. 3 663
Quantity of electricity purchased for heat and power	1,000 kWh.. 380 459
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 1 138 130
Primary products value of shipments	\$1,000.. 1 033 364
Secondary products value of shipments	\$1,000.. 65 099
Total miscellaneous receipts	\$1,000.. 39 667
Value of resales	\$1,000.. 33 408
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 94
Value of primary products shipments made in all industries	\$1,000.. 1 318 344
Value of primary products shipments made in this industry	\$1,000.. 1 033 364
Value of primary products shipments made in other industries	\$1,000.. 284 980
Coverage ratio	percent.. 78
Value added	\$1,000.. 368 281
Total inventories, beginning of year	\$1,000.. 246 740
Finished goods inventories	\$1,000.. 75 742
Work-in-process inventories	\$1,000.. 19 542
Materials and supplies inventories	\$1,000.. 151 456
Total inventories, end of year	\$1,000.. 235 793
Finished goods inventories	\$1,000.. 80 952
Work-in-process inventories	\$1,000.. 18 758
Materials and supplies inventories	\$1,000.. 136 083
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 492 128
Total capital expenditures (new and used)	\$1,000.. 24 106
Buildings and other structures (new and used)	\$1,000.. 3 830
Machinery and equipment (new and used)	\$1,000.. 20 276
Automobiles, trucks, etc., for highway use	\$1,000.. 1 170
Computers and peripheral data processing equipment	\$1,000.. 1 238
All other expenditures for machinery and equipment	\$1,000.. 17 868
Total retirements	\$1,000.. 44 918
Gross value of depreciable assets at end of year	\$1,000.. 471 316
Depreciation charges during year	\$1,000.. 21 259
Total rental payments	\$1,000.. 6 623
Buildings and other structures	\$1,000.. 3 726
Machinery and equipment	\$1,000.. 2 897
Total other expenses ⁴	\$1,000.. 157 060
Response coverage ratio ⁵	percent.. 97
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 20 538
Communications services ⁴	\$1,000.. 748
Legal services ⁴	\$1,000.. 866
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 655
Advertising and promotional services ⁴	\$1,000.. 402
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 042
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 1 478
Management consulting and administrative services ⁴	\$1,000.. 3 351
Taxes and license fees ⁴	\$1,000.. 3 916
All other expenses ⁴	\$1,000.. 124 065

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311223, Other oilseed processing											
All establishments	2	42	1 555	53 551	1 134	2 581	34 010	368 281	774 275	1 138 130	24 106
Establishments with—											
1 to 4 employees	9	9	20	598	13	27	341	1 411	6 457	7 868	306
5 to 9 employees	7	4	26	938	20	45	656	3 762	14 845	18 286	640
10 to 19 employees	4	5	70	2 455	44	88	1 258	7 869	35 423	45 585	938
20 to 49 employees	1	9	306	9 593	233	522	6 798	51 097	82 624	135 411	8 110
50 to 99 employees	1	13	f	D	D	D	D	D	D	D	D
100 to 249 employees	8	2	e	D	D	D	D	D	D	D	D
250 to 499 employees	—	—	—	—	—	—	—	—	—	—	—
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	9	33	1 030	22	48	598	3 450	16 135	19 585	777

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
311223	Other oilseed processing	42	1 555	53 551	1 134	2 581	34 010	368 281	774 275	1 138 130	24 106
3112231	Crude cottonseed oil	1	b	D	D	D	D	D	D	D	D
3112234	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	3	c	D	D	D	D	D	D	D	D
3112237	Cotton linters	3	50	1 741	40	95	1 231	5 052	24 462	29 292	5 348
311223A	Cottonseed cake and meal and other byproducts	13	845	26 991	625	1 455	17 047	147 081	269 593	417 042	11 134
311223D	Linseed oil	1	b	D	D	D	D	D	D	D	D
311223G	Other vegetable oils	10	351	13 772	267	575	10 007	175 818	313 712	483 260	3 718
311223J	Other vegetable oil mill products	4	41	1 578	24	54	786	6 424	18 998	25 313	505

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311223	Other oilseed processing	2002.. N 1997.. N	X X	X X	1 318 344 1 669 775
3112231	Crude cottonseed oil	2002.. N 1997.. N	X X	X X	104 458 100 668
31122311	Crude cottonseed oil	2002.. N 1997.. N	X X	X X	104 458 100 668
3112231100	Crude cottonseed oil	2002.. 7 1997.. 7	821.8 439.5	804.0 407.8	104 458 100 668
3112234	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	2002.. N 1997.. N	X X	X X	165 746 165 630
31122341	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	2002.. N 1997.. N	X X	X X	165 746 165 630
3112234100	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) ¹	2002.. 12 1997.. 14	613.0 652.7	S 654.4	165 746 165 630
3112237	Cotton linters	2002.. N 1997.. N	X X	X X	71 161 82 913
31122371	Cotton linters	2002.. N 1997.. N	X X	X X	71 161 82 913
3112237100	Cotton linters ²	2002.. 11 1997.. 14	426.4 721.0	S 718.1	71 161 82 913
311223A	Cottonseed cake and meal and other byproducts	2002.. N 1997.. N	X X	X X	286 330 380 893
311223A1	Cottonseed cake and meal	2002.. N 1997.. N	X X	X X	231 229 317 064
311223A111	Cottonseed cake and meal ²	2002.. 9 1997.. 15	1 231.4 1 858.0	P1 382.6 1 880.3	231 229 317 064
311223A2	Cottonseed hulls and other byproducts	2002.. N 1997.. N	X X	X X	55 101 63 829
311223A221	Cottonseed hulls ²	2002.. 10 1997.. 15	D P977.1	D P981.6	D 60 615
311223A231	Other cottonseed byproducts	2002.. 2 1997.. 3	X X	D S	D 3 214
311223AY	Cottonseed cake and meal and other byproducts, nsk	2002.. N 1997.. N	X X	X X	— —
311223AYWV	Cottonseed cake and meal and other byproducts, nsk	2002.. N 1997.. N	X X	X X	— —
311223D	Linseed oil	2002.. N 1997.. N	X X	X X	D 110 134
311223D1	Linseed oil	2002.. N 1997.. N	X X	X X	D D
311223D111	Linseed oil, crude ²	2002.. 3 1997.. 5	X X	D D	D D
311223D121	Linseed oil, processed (refined, blown, heat treated, or chemically modified) ¹	2002.. — 1997.. 2	— D	— D	— D
311223DY	Linseed oil, nsk	2002.. N 1997.. N	X X	X X	— 4 545
311223DYWV	Linseed oil, nsk	2002.. N 1997.. N	X X	X X	— 4 545
311223G	Other vegetable oils	2002.. N 1997.. N	X X	X X	D 595 875
311223G1	Other vegetable oils	2002.. N 1997.. N	X X	X X	D 593 440
311223G111	Coconut oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) ¹	2002.. 6 1997.. 2	D D	S D	23 145 D
311223G121	Peanut oil, crude ²	2002.. 6 1997.. 7	D 141.2	S 162.4	206 179 78 581
311223G131	Peanut oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) ¹	2002.. 2 1997.. 1	D D	D D	D D
311223G141	Sunflower seed oil, crude ²	2002.. 3 1997.. 2	D D	D D	D D
311223G151	Sunflower seed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) ¹	2002.. 2 1997.. 2	D D	D D	D D
311223G161	Other crude vegetable oils, including safflower, castor, tung, etc. ²	2002.. 5 1997.. 5	D D	D D	D D
311223G171	Once-refined palm oil (after alkali or caustic wash but before deodorizing) ¹	2002.. 3 1997.. N	S —	78.1 —	26 416 —
311223G181	Other once-refined vegetable oils, including safflower, castor, tung, etc. ¹	2002.. 2 1997.. 6	D 266.9	D 277.6	D 101 432
311223G191	Other vegetable oils processed for inedible purposes (tung oil, dehydrated castor oil, etc.)	2002.. 1 1997.. 4	X X	D D	D D
311223GY	Other vegetable oils, nsk	2002.. N 1997.. N	X X	X X	— 2 435
311223GYWV	Other vegetable oils, nsk	2002.. N 1997.. N	X X	X X	— 2 435
311223J	Other vegetable oil mill products	2002.. N 1997.. N	X X	X X	137 114 D
311223J1	Other vegetable oil mill products	2002.. N 1997.. N	X X	X X	137 114 D
311223J111	Linseed cake and meal ²	2002.. 3 1997.. 4	S D	S D	22 263 D
311223J121	Peanut cake and meal ²	2002.. 3 1997.. 3	D 94.3	D 89.0	D 14 098
311223J131	Sunflower seed cake and meal ²	2002.. 5 1997.. 3	S D	S D	28 410 D

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311223	Other oilseed processing—Con.				
311223J	Other vegetable oil mill products—Con.				
311223J1	Other vegetable oil mill products—Con.				
311223J141	Other oil seed cake and meal ² 1,000 s tons	2002 3	D	D	D
		1997 4	D	D	D
311223JY	Other vegetable oil mill products, nsk	2002 N	X	X	—
		1997 N	X	X	—
311223JYWV	Other vegetable oil mill products, nsk	2002 N	X	X	—
		1997 N	X	X	—
311223W	Other oilseed processing, nsk, total	2002 N	X	X	2 619
		1997 N	X	X	42 225
311223WY	Other oilseed processing, nsk, total	2002 N	X	X	2 619
		1997 N	X	X	42 225
311223WYWW	Other oilseed processing, nsk, for nonadministrative-record establishments	2002 N	X	X	643
		1997 N	X	X	32 334
311223WYWY	Other oilseed processing, nsk, for administrative-record establishments	2002 N	X	X	1 976
		1997 N	X	X	9 891

¹For additional detail, see Current Industrial Report M311K, Fats and Oils: Production, Consumption, and Stocks.

²For additional detail, see Current Industrial Report M311J, Fats and Oils: Oilseed Crushings.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311223	Other oilseed processing		
00900001	Total materials	X	706 760
	.....2002..	X	1 321 571
	.....1997..	X	
11192003	Cottonseed seeds, nuts, and beans	1 430.3	141 311
	.....1,000 s tons..2002..	4 232.0	580 883
	.....1997..	D	D
11119907	Flaxseed seeds, nuts, and beans	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..	D	D
11199201	Peanut seeds, nuts, and beans	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..	D	D
11119909	Sunflower seeds, nuts, and beans	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..	D	D
11100007	Other seeds, nuts, and beans (excluding cottonseed, sunflower, soybean, flaxseed, and peanuts)	D	D
	.....1,000 s tons..2002..	D	D
	.....1997..	D	D
31122301	Cottonseed oil, crude	D	D
	.....mil lb..2002..	D	D
	.....1997..	D	D
31122201	Soybean oil, crude	D	D
	.....mil lb..2002..	N	N
	.....1997..	N	N
31122123	Corn oil, crude	D	D
	.....mil lb..2002..	N	N
	.....1997..	N	N
31122309	Other crude oil	D	D
	.....mil lb..2002..	N	N
	.....1997..	N	N
31491101	Textile bags (burlap, cotton, polypropylene, etc.)	X	813
	.....2002..	X	N
	.....1997..	X	N
001900A3	Bags (plastics, foil, and coated paper)	X	D
	.....2002..	X	N
	.....1997..	X	N
32222401	Bags (uncoated paper and multiwall)	X	D
	.....2002..	X	N
	.....1997..	X	N
001900A1	Packaging paper and plastics film, coated and laminated	X	D
	.....2002..	X	N
	.....1997..	X	N
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies)	X	D
	.....2002..	X	N
	.....1997..	X	N
32610029	Plastics containers	X	D
	.....2002..	X	N
	.....1997..	X	N
32721301	Glass containers	X	D
	.....2002..	X	N
	.....1997..	X	N
33240000	Metal containers	X	1 489
	.....2002..	X	N
	.....1997..	X	N
00970099	All other materials and components, parts, containers, and supplies	X	65 012
	.....2002..	X	190 061
	.....1997..	X	243 387
00971000	Materials, ingredients, containers, and supplies, nsk	X	57 794
	.....2002..	X	
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.